

Docket No.: 053673-0021

PATENT

IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of : Customer Number: 20277
Yasushi NAKANISHI, et al. : Confirmation Number: 1428
Application No.: 10/540,270 : Group Art Unit: 1756
Filed: June 23, 2005 : Examiner: Not yet assigned

For: POLYESTER RESIN FOR TONER, TONER FOR DEVELOPING ELECTROSTATIC
CHARGE IMAGE AND METHOD FOR FORMING IMAGE

REQUEST FOR CORRECTED FILING RECEIPT


Mail Stop COFR
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

Attached is a copy of the Filing Receipt received from the U.S. Patent and Trademark Office in the above-referenced application. It is noted that **the number of independent claims is incorrect**. Attached is a copy of the claims listed in the specification, which evidences that **the number of independent claims should be one (1)**. It is requested that a corrected filing receipt be issued.

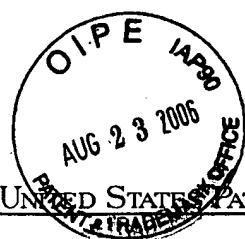
Respectfully submitted,

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**Please recognize our Customer No. 20277
as our correspondence address.**

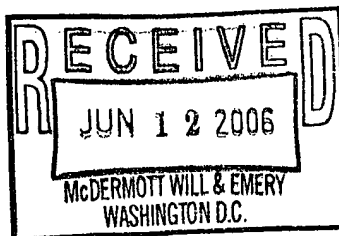


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APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/540,270	06/23/2005	1756	1260	053673-0021	1	8	2 → 1

20277
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WASHINGTON, DC 20005-3096



CONFIRMATION NO. 1428

CORRECTED FILING RECEIPT



OC000000019163488

Date Mailed: 06/08/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s)

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Power of Attorney: The patent practitioners associated with Customer Number 20277.

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/JP03/16064 12/16/2003

Foreign Applications

JAPAN 2002-374941 12/25/2002

If Required, Foreign Filing License Granted: 02/10/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/540,270**

Projected Publication Date: Not Applicable

Non-Publication Request: No

Early Publication Request: No

Title

Polyester resin for toner, toner for developing electrostatic charge image and method for forming image

Preliminary Class

430

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What is claimed is:

IND
1. A polyester resin for toner, wherein an acid component of the polyester comprises (1) disproportionated rosin and (2) terephthalic acid and/or isophthalic acid, an alcohol component of the polyester comprises (3) glycidyl ester of tertiary fatty acid and (4) an aliphatic diol containing from 2 to 10 carbon atoms, and a cross-linking component of the polyester comprises a polycarboxylic acid having three or more carboxyl groups and/or a polyol having three or more hydroxyl groups, with the molar ratio of the acid component (1) to the acid component (2), (1)/(2), being from 0.2 to 0.6 and the molar ratio of the alcohol component (3) to the alcohol component (4), (3)/(4), being from 0.05 to 0.4.

Dep. 2. The polyester resin for a toner according to claim 1, which further contains rosin glycidyl ester as an alcohol component.

Dep. 3. The polyester resin for a toner according to claim 1, which has a true density of from 1.1 to 1.3 g/cm³.

Dep. 4. The polyester resin for a toner according to claim 2, which has a true density of from 1.1 to 1.3 g/cm³.

Dep. 5. A toner for developing an electrostatic charge image according to any one of claims 1 to 4, which comprises the above-mentioned polyester resins for a toner, a colorant and a charge control agent.



6. The toner for developing an electrostatic charge image as described in claim 5, wherein the charge control agent is a metal salt of aromatic hydroxycarboxylic acid and the toner has a negatively charging property.

7. An image-forming method by heat-fixing a toner for developing an electrostatic charge image in a fixing device comprising a heating roller having a heater therein and a pressure-applying roller to be press-contacted against the heating roller, wherein the toner for developing an electrostatic charge image is the toner described in claim 5, the temperature of the heating roller is from 160°C to 230°C, and the width, W (mm), of the portion where the heating roller and the pressure-applying roller are pressure-contacted with each other, and the fixing speed, S (mm/sec), are in the relation of $W/S \geq 0.015$.

8. An image-forming method by heat-fixing a toner for developing an electrostatic charge image using a fixing device pressed against a pressure-applying roller via a fixing belt, wherein the toner for developing an electrostatic charge image is the toner described in claim 5, the temperature of the fixing belt in the pressure-contacted portion is from 160°C to 230°C, and the heating width, H (mm), of the portion where the fixing belt and the pressure-applying roller are pressure-contacted with each other, and the fixing speed, S (mm/sec), are in the relation

of $H/S \geq 0.015$.

